

Saugat Adhikari

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Education

Texas Tech University

Lubbock, Texas

B.S. Computer Science / Mathematics (Minor)

Graduation: December 2019

- **Cumulative GPA:** 3.95/4.0
- **Relevant Coursework:** Algorithms, Data Structures, Theory of Automata, Software Engineering, Computer Architecture, Operating Systems, Proof & Mathematical Reasoning, Differential Equations, Probability & Statistics

Work Experience

Cummins Inc.

Indianapolis, Indiana

Software Engineer Intern / Digital Accelerator

June 2019—August 2019

- Designed & developed a monitoring system to quickly discern the health of the production environment using native tools to the AWS and working as a dedicated SCRUM team; Automated and deployed system using AWS CloudFormation
- Facilitated with visual monitoring in the production environment using Amazon QuickSight
- Retained historical data on CloudWatch Logs to perform analytics using CloudWatch Insights
- Performed Unit Testing, Integration Testing, System Testing, and User Acceptance Testing
- Resulted in increase of customer confidence in products, and reduced downtime by alerting support on the issue

Texas Tech University

Lubbock, Texas

Undergraduate Researcher / CS Department

Jan 2019—May 2019

- Programmed a reddit crawler to scrap data of subreddits such as opiates, drugs for study on drug addiction and its recovery
- Cleaned and prepared data using pandas, NumPy modules to manipulate, analyze and visualize user statistics

Texas Tech University

Lubbock, Texas

Student Assistant / Hospitality Services

August 2017—Present

- Provided Customer satisfaction with in-person interaction to 250+ customers on a weekly basis
- Balanced a rigorous course load with 15-20 hours of employment per week

Tennessee Tech University

Cookeville, Tennessee

Professional Tutor / Office of Multicultural Affairs

Jan 2016—May 2016

- Delivered private tutoring services to 5+ students in C++ programming, Calculus based Physics & Linear Algebra, saving 3 students from academic probation

Independent Projects

Dristi

- Web application that facilitates user with movies released near user location, offers movies based on user preference, and a feature to send invite to friends/family; Technologies: Flask framework, SQLAlchemy, HTML, CSS

Communication Problem

- Researched, as part of a team, over 3 different school communication system strategies for a middle school with an average of 800 students
- Pioneered a final deliverable to the audience of 6 stakeholders to persuade Gradelink, a cloud-based student information system

Leadership

Secretary | Nepal Students' Association—Texas Tech University

August 2018—May 2019

- Handled correspondence, organized meetings, and logistical fulfillment for 10+ events open for all 100+ association members
- Increased organization funding by 50%

Skills & Interests

- **Languages/Technologies:** Proficient in Python, Java, C++, and SQL; Familiar with NumPy, Pandas, JavaScript, and Scaled Agile Framework; Experienced with Git, Amazon Web Services, React, Docker, JIRA, Apache Maven, JUnit, Eclipse, VSCode, and Anaconda

Honor & Awards

- **Cummins Innovation and Technology Invention Challenge:** 1st Runner Up
- **Presidents' List:** 5 semesters | **Deans' List:** 3 semesters
- **Proven Achievers Award:** \$13,000 | **Office of International Affairs:** \$1000 | an academic distinction
- **Sustainability Scholarship:** \$1000 | contribution to sustainability, and involvement in Reduce, Reuse & Recycle at Texas Tech